

**"MDP" 400 Ampere Main Distribution Panel  
120/208 Volts, 3 Phase, 4 Wire, Main Lug Only**

Pole No.	Load Description	Breaker Size	Volt Amp Load			Pole No.	Load Description	Breaker Size	Volt Amp Load		
			A	B	C				A	B	C
1	RTU #1	30-3	5000	0	0	2	RTU #3	30-3	5000	0	0
3	RTU #1		0	5000	0	4	RTU #3		0	5000	0
5	RTU #1		0	0	5000	6	RTU #3		0	0	5000
7	GREENHOUSE PANEL	200-3	1000	0	0	8	STANDBY PANEL	100-3	8236	0	0
9	GREENHOUSE PANEL		0	1080	0	10	STANDBY PANEL		0	8500	0
11	GREENHOUSE PANEL		0	0	0	12	STANDBY PANEL		0	0	7042
13	MEN'S LOCKER ROOM REC	20	900	0	0	14	LOCKER ROOMS REC	20	1440	0	0
15	BREAK ROOM REC	20	0	1440	0	16	BATH & LOCKER RM REC	20	0	1440	0
17	DRYER & ENTRY ROOM REC	20	0	0	1260	18	PACK, UTIL & STO RM REC	20	0	0	1260
19	DRYER & GAR ROOM REC	20	1080	0	0	20	PACKAGE & OFFICE REC	20	1440	0	0
21	STORAGE ROOM REC	20	0	1080	0	22	WASH, DRY & CIRC PUMP	20	0	1440	0
23	TRASH COMPACTOR	20	0	0	1080	24	INTERIOR LIGHTS	20	0	0	260
25	INTERIOR LIGHTS	20	778	0	0	26	EXTERIOR LIGHTS	20	980	0	0
27	EXTERIOR LIGHTS	20	0	980	0	28	SPARE	20	0	0	0
29	SPARE	20	0	0	0	30	SPARE	20	0	0	0
TOTAL			8758	9580	7340				17096	16380	13562
			TOTAL CURRENT						215 - 216- 174 AMPERES		

**"GDP" 200 Ampere Greenhouse Distribution Panel  
120/208 Volts, 3 Phase, 4 Wire, Main Lug Only**

Pole No.	Load Description	Breaker Size	Volt Amp Load			Pole No.	Load Description	Breaker Size	Volt Amp Load		
			A	B	C				A	B	C
1	ANNEX RECEPTACLES	20	1000	0	0	2	SPARE	20	0	0	0
3	SPARE	20	0	0	0	4	SPACE		0	0	0
5	WATER RECYCLING PUMP	20	0	1080	0	6	SPACE		0	0	0
7	SPACE		0	0	0	8	SPACE		0	0	0
9	SPACE		0	0	0	10	SPACE		0	0	0
11	SPACE		0	0	0	12	SPACE		0	0	0
13	SPACE		0	0	0	14	SPACE		0	0	0
15	SPACE		0	0	0	16	SPACE		0	0	0
TOTAL			1000	1080	0				0	0	0
			TOTAL CURRENT						9 - 9- 0 AMPERES		

**"SDP" 100 Ampere Standby Distribution Panel  
120/208 Volts, 3 Phase, 4 Wire, Main Lug Only**

Pole No.	Load Description	Breaker Size	Volt Amp Load			Pole No.	Load Description	Breaker Size	Volt Amp Load		
			A	B	C				A	B	C
1	RTU #2	30-3	5000	0	0	2	SECURITY RACK	20	1400	0	0
3	RTU #2		0	5000	0	4	SECURITY CAMERAS	20	0	1400	0
5	RTU #2		0	0	5000	6	INTERIOR LIGHTS	20	0	0	1142
7	GARAGE DOOR	20	780	0	0	8	EXTERIOR LIGHTS	20	1056	0	0
9	ANNEX HTR & LIGHTS	20	0	792	0	10	GREENHOUSE HEATERS	20	0	1308	0
11	SECURITY RM REC	20	0	0	900	12	SPACE		0	0	0
13	SPARE	20	0	0	0	14	SPACE		0	0	0
15	SPARE	20	0	0	0	16	SPACE		0	0	0
TOTAL			5780	5792	5900				2456	2708	1142
			TOTAL CURRENT						69 - 71- 59 AMPERES		

**LIGHT FIXTURE SCHEDULE**

<b>A</b>	2 FT. X 2 FT. WHITE LED LAY-IN TROFFER WITH PRISMATIC LENS, 20 WATTS, 120 VOLTS ACRYLIC LENS, 4000 K, COOL WHITE, 2000 LUMENS, LITHONIA MODEL # 2GTL2 A12 120 LP840
<b>B</b>	4 FT. X 2 FT. WHITE LED LAY-IN TROFFER WITH PRISMATIC LENS, 45 WATTS, 120 VOLTS ACRYLIC LENS, 4000 K, COOL WHITE, 4000 LUMENS, LITHONIA MODEL # 2GTL4 A12 120 LP840
<b>C</b>	4 FT. X 2 FT. WHITE LED WRAPAROUND LENS, 41 WATTS, 120 VOLTS, ACRYLIC LENS, 4000 K, COOL WHITE, 4000 LUMENS, LITHONIA MODEL # LBL 4, SUITABLE FOR DAMP LOCATIONS.
<b>D</b>	2 FT. X 2 FT. WHITE LED WRAPAROUND LENS, 20 WATTS, 120 VOLTS, ACRYLIC LENS, 4000 K, COOL WHITE, 1200 LUMENS, LITHONIA MODEL # FMLWL 24 840.
<b>E</b>	SHOEBOX LED AREA LIGHT FIXTURE, 9780 LUMENS, 100 WATT, 5000 KELVIN, TYPE II 120-277V, WITH 6" MOUNTING ARM, PLT-20074 & PLT 83512. 16" TALL X 4" OD X 0.125" THIC, SQUARE STRAIGHT ALUMINUM, ANCHOR BASE LIGHT POLE.
<b>F</b>	LED OUTDOOR WALL PACK E-WP8 SERIES, 4000K, 2900 LUMENS, 47 WATTS, 120-277 VOLT.
<b>EMER</b>	LED EMERGENCY LIGHT, LITHONIA ELM2 M12 WITH NICAD BATTERY, 1.5 WATTS, 2 LAMPS.
<b>EXIT</b>	LED EXIT LIGHT, LITHONIA EXR OR EXG LED EL M6 WITH NICAD BATTERY, THERMOPLASTIC HOUSING, 100 FT. VIEWING DISTANCE PER UL924 STANDARDS, 90 MINUTES OF BATTERY BACKUP, COLOR PER LOCAL CODE REQUIREMENTS.

**LIGHTING DATA**

ROOM	LUMENS	VOLT-AMPS	LUMEN'S/SQFT	VA/SQFT
LOCKER 1 - 245 SQFT	18,000	180	73	0.73
LOCKER 2 - 252 SQFT	18,000	180	71	0.71
BREAK ROOM/HALL - 378 SQFT	28,000	310	74	0.82
BATH 3 - 48 SQFT	2,000	20	42	0.42
RETAIL/HALL - 290 SQFT	22,000	240	76	0.83
SAFE ROOM - 213 SQFT	12,000	135	56	0.63
OFFICE - 192 SQFT	12,000	135	63	0.70
DRYING ROOM - 306 SQFT	16,000	180	52	0.59
PACKAGING ROOM - 337 SQFT	24,000	270	71	0.80
GARAGE - 540 SQFT	12,000	123	22	0.23
STORAGE - 224 SQFT	12,000	123	54	0.55
UTILITY - 120 SQFT	8,000	82	67	0.68

**1  
E4 ELECTRICAL PANEL & FIXTURE SCHEDULES**

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NO. DATE DESCRIPTION

DATE: 05/15/2017  
CHECKED BY: JGG  
PROJECT NO: 14-2017  
SHEET: PANEL SCHEDULES

**E4**